

# **AUTUMN LEAGUE 2010**



## COURSE CARD INSHORE COMMITTEE BOAT STARTS

	1	2	3	4	5	6	7
00	ZPWSF	Z W C P W S F	ZWCPWPW CSF	Z W C P C P C S F	Z W C P W P C P S F	Z W C P C P C P W S F	
01	Z P W C S F	Z P W P W S F	Z P W P W P W C S F	Z P W P C U	Z P C U P W P W S F	Z P W P W C U C U S F	
02	ZPCSF	Z W C U C S F	Z P C U P C S F	Z W C U C U S F	Z W C U P W P W C U S F	Z W C U C U C U S F	
03	ZWVCSF	Z P W U W S	Z P W U W C V C S F	Z P W U W U W S F	Z P W U W U W C V S F	Z P W U W U W C V C V C S F	
04	Z W C H S	Z H W C H C V C S F	ZWCHCH SF	Z W C H W U W C S F	Z W C H C V C H C V C S F	Z W C H C V C H C V C V C S F	
05	Z W C V C S F	Z W C O S F	Z W C O I O S F	Z W C V C O W S F	Z W C O C O V S F	Z W C O I O C O S F	
06	Z W C V C S F	Z W C O	ZWCOC SF	Z W C V C O C S F	Z W C O C O S F	Z W C O I O C O S F	
07	ZWCICSF	Z W C O	Z W C O C I C S F	Z W C O I O V S F	Z W C O C O V S F	Z W C O C O C O S F	Z W C O C O C O V S F
80	Z V C D C I S F	Z V C D C D C I S F	Z V W O C D C I S F	Z V C K V W O C I S F	Z V W O W O C I S F	Z V W O W O W O C I S F	
09	Z V C D C I S F	Z V C D C D C I S F	Z V W O C D C I S F	Z V C K V W O C I S F	Z V W O W O C I S F	Z V W O W O W O C I S F	
10	Z V W I V C S F	Z V W I W I V C S F	Z V W D W D V C S F	Z V W D W I W I V C S F	Z V W D W D W D V C S F	Z V W D W D W D W I V C S F	
11	Z V W I V C S F	Z V W I W I V C S F	Z V W D W D V C S F	Z V W D W I W I V C S F	Z V W D W D W D V C S F	Z V W D W D W D W I V C S F	
12	Z V W I W S F	Z V W I W I V C S F	Z V W D W D V C S F	Z V W D W D W S F	Z W V D W D W I W S F	Z V W D W D I W I V C S F	
13	ZVDPSF	ZPIVWSF	ZPDPSF	Z V D P D V W S F	Z V D P D V D V W S F	Z V D P D P D V W S F	
14	ZVPSF	Z V P I P W S F	ZIPIPSF	Z I P V P V P S F	Z V P V P I P S F	Z V P D P D P S F	
15	ZIPSF	ZIWCIP SF	ZIPIPSF	Z I P V P I W C S F	ZIPVPIP S F	Z I P I P I P S F	ZIPIPVP IPSF
16	ZVPSF	Z P C W C S F	Z V P C P S F	Z V P C P C W C S F	Z V P C V P I V W C S F	Z P C P C P S F	Z V P C P C V P C P S F
17	ZIPCSF	Z V P C V W C S F	Z I P C P C S F	Z V P C P C I V S F	Z V P C P C P C S F	Z V P C P C P C I V I V S F	Z V P C P C V P C P S F
18	ZIPCSF	Z V P W H	Z V P W P W V U S F	ZIUIUSF	Z V P C I U I H S F	Z V P C I U I U S F	ZIUIUIV PWPCSF
19	ZIHSF	Z V P W P W S F	Z V U C U C S F	Z V U C U C V S F	Z V U C U C H S F	Z V U C U C U S F	
20	ZVUCISF	Z V H C H C S F	Z V U C H C I S F	Z V U C U C I S F	Z V U C H V U C I S F	Z V U C U C U C S F	Z I U C U C U C ISF
21	ZIHCSF	ZIHCH CSF	Z V H C H C V C S F	Z V H C H C H C S F	Z V U W U W V H C S F	Z V H C H C H C H C S F	Z I U C U C U C I S F
22	ZIHCSF	Z V U W U W S F	Z V H C V C U W S F	Z V U W U W U W S F	Z V H C V C U W U W S F	Z V H C H C U W U W S F	
23	ZVHWSF	Z V H W H W S F	Z V U W U W S F	Z V H C V C U W S F	Z V U C U C U C S F	Z V H C H C U W U W S F	Z V U W U W U W U W S F
24	ZVHWSF	Z V H W H W S F	Z V H W O C S F	Z V H W H W OSF	Z V H W O C O S F	Z V H W H W O C O S F	Z V H W H W O C O I S F
25	ZIDCDY SF	Z I D C D C D Y S F	ZIOWIDC DYSF	ZIOWOW IDYSF	Z I O W O W I D C S F	Z I O W O W I D C D C S F	
26	ZIDCDC SF	Z I D C D C D Y S F	ZIOWIDC DYSF	ZIOWOW IDYSF	Z I O W O W I D C S F	ZIOWOWI DCDCSF	
27	ZIDCDC SF	ZIDCDCD YSF	ZIOWIDC DYSF	ZIOWOW IDYSF	ZIOWOWI DCSF	ZIOWOWI DCDCSF	
28	Z C D W S F	Z C D W I W S F	ZCIWIWCIWSF	CIWSF	Z C D W D W C D W S F	ZIKWCD WCDWSF	
29	ZCDWSF	Z C D W I W S F	Z C I W I W C	CIWSF	Z C D W D W C D W S F	ZIKWCD WCDWSF	
30	ZCDWSF	Z C D W I W S F	Z C I W I W C	CIWSF	Z C D W D W C D W S F	ZIKWCD WCDWSF	
31	ZCIPSF	Z C I P W C W	Z C I P I P W S F	Z C I P I P W C W S F	Z C I P V P I P S F	Z C I P V P I P V P S F	
32	ZCIPSF	Z C I P W C W C S F	Z C I P I P S F	Z W C I P I P W C W C S F	Z C I P I P I P S F	Z C I P I P I P I V S F	
33	Z W C W C W C S F	Z C I P W C W	Z C I P I P S F	Z W C I P I P W C W C S F	Z C I P I P I P S F	Z C I P I P I P I V S F	
34	Z W C P W C S F	Z C P C W C S F	Z W C P C P C W S F	Z W C P C P C P S F	CPSF	Z W C P C P C P C P S F	
35	Z W C P W C S F	Z W C P W C W C S F	Z W C P C P S F	Z W C P C P C W S F	Z W C P C P C P C W S F	Z W C P C P C P C P S F	
40	Z Wg L F	Z Wg L Z L F	Z Wg L Z L Z Wg L F	Z Wg L Z L Z Wg L Z L F	, ,	se: Wg = Gybe A	
50	Z Of L F	ZOfLZOfLF	Z Of L Z Of L Z Of L F	Z Of L Z Of L Of L Z Of L F	Winward / Leev	vard Course: Of	t = Offset Mark

#### NAVIGATION MARKS AND OBSTRUCTIONS

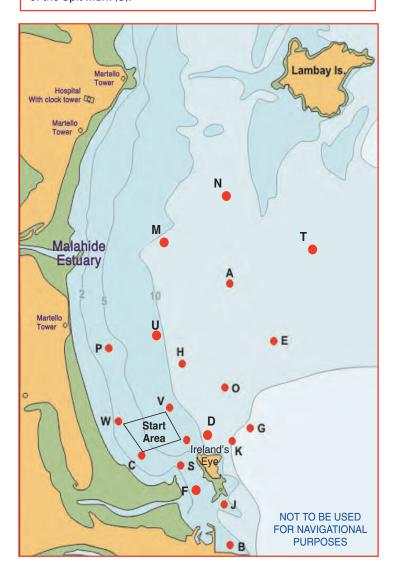
The Navigation Marks in and around Howth Sound shall be left as follows-

South Rowan: to be passed to the West and South Rowan Rocks: to be passed to the East and South

Any part of Ireland's Eye capable of being touched by a boat while racing is designated as an obstruction to sea room.

Competitors are reminded of a trawler wreck in Howth Sound, south of the Carrgran Rocks on Ireland's Eye, which is submerged at most stages of the tide.

Boats racing in the vicinity of Baldoyle Spit shall sail North and East of the Spit Mark (S).



### RACING MARKS 2010 (APPROXIMATE)

ID	Name	Sнаре	Colour	DEG	Min	DEG	Min
A	Apex	Conical	Black	53	26.76	06	03.26
С	Cush	Conical	Black	53	24.50	06	05.44
D	Dunbo	Conical	Yellow	53	24.73	06	03.85
Н	Hub	Conical	Black	53	53 25.71		04.43
I	Island	Conical	Black	53	53 24.70		04.36
K	Stack	Conical	Black	53	24.60	06	03.11
М	Malahide	Conical	Black	53	27.23	06	05.59
0	Osprey	Conical	Orange	53	25.41	06	03.52
Р	Portmarnock	Conical	Black	53	25.89	06	06.30
R	South Rowan	IALA	Green	53	23.78	06	03.88
S	Spit	Conical	Black	53	24.35	06	04.48
U	Ulysses	Conical	Orange	53	26.22	06	04.97
V	Viceroy	Conical	Orange	53 25.12		06	04.78
W	West	Conical	Black	53	24.96	06	06.07
X	Xebec	Barrel	Black	53	53 24.12 06		04.33
Z	Zephyr	Spherical	Yellow	ι	Line		

#### **COURSE SELECTION**

- 1). Courses will be designated by three numeral boards.
- 2). The first two boards will indicate the beat. ie  $07 = 070^{\circ}$
- 3). The third board indicates the column number across the top of the page.

Therefore Course 073 is the third course in from the left on line 07.

TIDES	HW	HT.	LW
Sunday, September 19th	09.57	3.3m	15.43
Sunday, September 26th	13.50	3.9m	07.23
Sunday, October 3rd	80.80	3.3m	13.55
Sunday, October 10th	13.51	4.3m	07.16
Saturday, October 16th	07.13	3.0m	13.01

Row 40 & Row 50											
ID	ID Name Shape C										
D	Distance	Pillar	Orange								
Z	Windward	Spherical	Yellow								
Wg	Wing	Round	Yellow								
L	Leeward	Round	Orange								
Of	Offset	Round	Yellow								

### 2010 Race Marks - Relative Bearings Table - Magnetic (Approx)

	Α	В	С	D	E	G	н	- 1	J	K	М	N	0	P	Q	s	Т	U	V	w
A		186°	216°	196°	146°	168°	220°	207°	188°	184°	295°	002°	192°	250°	185°	203°	071°	248°	215°	229°
В	006°		319°	352°	019°	024°	350°	336°	357°	010°	347°	005°	002°	331°	010°	331°	022°	347°	340°	321°
С	036°	139°		084°	058°	081°	032°	077°	126°	092°	004°	025°	058°	346°	121°	111°	047°	015°	038°	327°
D	016°	172°	264°		043°	078°	347°	272°	170°	110°	344°	011°	023°	315°	161°	233°	036°	342°	312°	287°
E	326°	199°	238°	223°		190°	264°	233°	204°	207°	307°	346°	238°	273°	202°	225°	028°	284°	246°	252°
G	348°	204°	261°	258°	010°		305°	263°	214°	236°	325°	354°	306°	297°	211°	249°	021°	314°	281°	275°
н	040°	170°	212°	167°	084°	125°		191°	168°	151°	342°	021°	125°	285°	164°	187°	055°	334°	205°	238°
1	027°	156°	257°	092°	053°	083°	011°		148°	101°	353°	018°	048°	326°	140°	177°	043°	357°	350°	293°
J	008°	177°	306°	350°	024°	034°	348°	328°		018°	345°	006°	004°	326°	062°	317°	026°	345°	334°	312°
ĸ	004°	190°	272°	290°	027°	056°	331°	281°	198°		337°	003°	350°	310°	190°	259°	028°	332°	304°	288°
M	115°	167°	184°	164°	127°	145°	162°	173°	165°	157°		066°	152°	204°	163°	173°	094°	166°	173°	193°
N	182°	185°	205°	191°	166°	174°	201°	198°	186°	183°	246°		187°	225°	184°	196°	125°	214°	202°	214°
0	012°	182°	238°	203°	058°	126°	305°	228°	184°	170°	332°	007°		292°	180°	215°	040°	319°	256°	260°
Р	070°	151°	166°	135°	093°	117°	105°	146°	146°	130°	024°	045°	112°		143°	151°	071°	073°	136°	178°
Q	005°	190°	301°	341°	022°	031°	344°	320°	242°	010°	343°	004°	360°	323°		308°	024°	342°	329°	308°
s	023°	151°	291°	053°	045°	069°	007°	357°	137°	079°	353°	016°	035°	331°	128°		039°	357°	353°	309°
т	251°	202°	227°	216°	208°	201°	235°	223°	206°	208°	274°	305°	220°	251°	204°	219°		249°	229°	236°
U	068°	167°	195°	162°	104°	134°	154°	177°	165°	152°	346°	034°	139°	253°	162°	177°	069°		180°	213°
V	035°	160°	218°	132°	066°	101°	025°	170°	154°	124°	353°	022°	076°	316°	149°	173°	049°	000°		264°
w	049°	141°	147°	107°	072°	095°	058°	113°	132°	108°	013°	034°	080°	358°	128°	129°	056°	033°	084°	